

**PATENT**

App. Ser. No.: 09/592,308  
Atty. Dkt. No. ROC920000014US1  
PS Ref. No.: IBM2K0014

**IN THE CLAIMS:**

1. (Canceled)
2. (Canceled)
3. (Currently Amended) A computer-implemented method for providing user-specific error analysis to identify as problem words any correctly spelled words of a document that are improperly used, the method comprising:
  - recording each word contained in a first document as pre-edited contents;
  - receiving user edits replacing each problem word contained in the first document with a respective replacement word;
  - after receiving the user edits, recording each word contained in the edited first document as post-edited contents;
  - comparing the pre-edited contents to the post-edited contents to identify the problem words and the respective replacement words;
  - storing the user-replaced problem words and respective replacement words to a first data structure, wherein each user-replaced problem word is associated with the respective replacement word in an individual record of the first data structure and wherein each individual record includes a field indicating a number of times a respective user-replaced problem word has been replaced by its associated replacement word;
  - assigning a formatting definition to each problem word for use in identifying problem words on a display device, wherein the formatting definition is reflective, on a display device displaying the respective problem word, of the number of times the respective problem word has been replaced by its associated replacement word;
  - determining whether one or more problem words are present in a second document utilizing the first data structure; and
  - indicating each problem word present in the second document with its respective formatting definition, wherein respective problems words are displayed in respective visually distinguishable formats.

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4. (Previously Presented) The method of claim 3, wherein the steps of recording comprise separately storing the pre-edited contents and post-edited contents to a second data structure, wherein each record of the second data structure includes a pre-edited word field containing pre-edited content, a post-edited word field containing corresponding post-edited content and a changed indication field containing an indicator indicating whether the pre-edited and the corresponding post-edited content are different.
5. (Canceled)
6. (Previously Presented) The method of claim 4, further comprising assigning a priority value to each problem word based on the number of times a respective problem word has been replaced by its associated replacement word.
7. (Previously Presented) The method of claim 6, wherein the formatting definition is based on the priority value.
8. (Currently Amended) The method of claim 7, wherein problem words assigned with the same priority value are assigned the same formatting definition and wherein the problems words assigned with different priority values are displayed with respectively different visual distinguishable formats in the second document.
9. (Original) The method of claim 8, wherein the formatting definition is selected from one of a color, a shading, a textual modification, an underline and any combination thereof.
10. (Canceled)
11. (Canceled)

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12. (Currently Amended) A computer readable medium containing a software program which, when executed by a processor, causes the processor to perform an operation for providing user-specific error analysis to identify as problem words any correctly spelled words of a document that are improperly used, the operation comprising:

- recording each word contained in a first document as pre-edited contents;
- receiving user edits replacing each problem word contained in the first document with a respective replacement word;
- after receiving the user edits, recording the each word contained in a first document as post-edited contents;
- comparing the pre-edited contents to the post-edited contents to identify the problem words and the respective replacement words;
- storing the user-replaced problem words and respective replacement words to a first data structure, wherein each user-replaced problem word is associated with the respective replacement word in an individual record of the first data structure and wherein each individual record includes a field indicating a number of times a respective user-replaced problem word has been replaced by its associated replacement word;
- assigning a formatting definition to each problem word for use in identifying problem words on a display device, wherein the formatting definition is reflective, on a display device displaying the respective problem word, of the number of times the respective problem word has been replaced by its associated replacement word;
- determining whether one or more problem words are present in a second document utilizing the first data structure; and
- indicating each problem word present in the second document with its respective formatting definition, wherein respective problems words are displayed in respective visually distinguishable formats.

13. (Previously Presented) The computer readable medium of claim 12, wherein the steps of recording comprise separately storing the pre-edited contents and post-

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edited contents to a second data structure, wherein each record of the second data structure includes a pre-edited word field containing pre-edited content, a post-edited word field containing corresponding post-edited content and a changed indication field containing an indicator indicating whether the pre-edited and the corresponding post-edited content are different.

14. (Canceled)

15. (Previously Presented) The computer readable medium of claim 13, wherein the operation further comprises assigning a priority value to each problem word based on the number of times a respective problem word has been replaced by its associated replacement word.

16. (Previously Presented) The computer readable medium of claim 15, wherein the formatting definition is based on the priority value.

17. (Currently Amended) The computer readable medium of claim 16, wherein problem words assigned with the same priority value are assigned the same formatting definition and wherein the problems words assigned with different priority values are displayed with respectively different visual distinguishable formats in the second document.

18. (Original) The computer readable medium of claim 17, wherein the formatting definition is selected from one of a color, a shading, a textual modification, an underline and any combination thereof.

19. (Canceled)

20. (Canceled)

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21. (Currently Amended) A computer comprising a memory device, a processor configured to access the memory device and configure to execute an operation for providing user-specific error analysis to identify as problem words any correctly spelled words of a document that are improperly used, the operation comprising:

recording each word contained in a first document as pre-edited contents;

receiving user edits replacing each problem word contained in the first document with a respective replacement word;

after receiving the user edits, recording each word contained in the edited first document as post-edited contents;

comparing the pre-edited contents to the post-edited contents to identify the problem words and the respective replacement words;

storing the user-replaced problem words and respective replacement words to a first data structure, wherein each user-replaced problem word is associated with the respective replacement word in an individual record of the first data structure and wherein each individual record includes a field indicating a number of times a respective user-replaced problem word has been replaced by its associated replacement word;

assigning a formatting definition to each problem word for use in identifying problem words on a display device, wherein the formatting definition is reflective, on a display device displaying the respective problem word, of the number of times the respective problem word has been replaced by its associated replacement word;

determining whether one or more problem words are present in a second document utilizing the first data structure; and

indicating each problem word present in the second document with its respective formatting definition, wherein respective problems words are displayed in respective visually distinguishable formats.

22. (Previously Presented) The computer of claim 21, wherein the steps of recording comprise separately storing the pre-edited contents and post-edited contents to a second data structure, wherein each record of the second data structure includes a pre-edited word field containing pre-edited content, a post-edited word field containing

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corresponding post-edited content and a changed indication field containing an indicator indicating whether the pre-edited and the corresponding post-edited content are different.

23. (Canceled)

24. (Previously Presented) The computer of claim 22, wherein the operation further comprises assigning a priority value to each problem word based on the number of times a respective problem word has been replaced by its associated replacement word.

25. (Previously Presented) The computer of claim 24, wherein the formatting definition is based on the priority value.

26. (Currently Amended) The computer of claim 25, wherein problem words assigned with the same priority value are assigned the same formatting definition and wherein the problems words assigned with different priority values are displayed with respectively different visual distinguishable formats in the second document.

27. (Original) The computer of claim 26, wherein the formatting definition is selected from one of a color, a shading, a textual modification, an underline and any combination thereof.

28. (Previously Presented) The method of claim 3, further comprising:  
receiving a user identification; and  
storing the user identification in association with the first data structure.

29. (Previously Presented) The computer readable medium of claim 12, wherein the operation further comprises:  
receiving a user identification; and

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storing the user identification in association with the first data structure.

30. (Previously Presented) The computer of claim 21, wherein the operation further comprises:

receiving a user identification; and

storing the user identification in association with the first data structure.

31. (Canceled) The method of claim 6, further comprising:

assigning a formatting definition to each priority level of problem words; and

displaying problem words of the second document according to the respective formatting definition.

32. (Canceled) The computer readable medium of claim 15, wherein the operation further comprises:

assigning a formatting definition to each priority level of problem words; and

displaying problem words of the second document according to the respective formatting definition.

33. (Canceled) The computer of claim 24, wherein the operation further comprises:

assigning a formatting definition to each priority level of problem words; and

displaying problem words of the second document according to the respective formatting definition.